

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A substrate processing system for performing a processing including a plurality of processes on a substrate by operating a number of devices incorporated in a substrate processing apparatus, which comprises:

a storage unit for storing therein commands describing operations of the devices and a data file defining a control of an operation of each of the devices corresponding to the macro files and also defining a control of another device related to the operation of said each of the devices, the data file further defining an alarming operation for reporting a completion of the control of the operation of each of the devices;

a generation unit for generating macro files, each of which corresponds to each of the processes, from the stored commands and creating a process sequence macro by combining the generated macro files, and also generating the data file ~~each of the macro files corresponding to each of the plurality of processes;~~ and

an execution unit for executing the process sequence macro and the control of the operation of each of the devices based on the generated data file.

2. (Original) The substrate processing system of claim 1, wherein the generation unit includes a user interface.

3. (Original) The substrate processing system of claim 1 or 2, wherein the commands are converted into hard codes.

4. (Currently Amended) The substrate processing system of claim 1 ~~any one of claims 1 to 3~~, further comprising another storage unit for storing the generated macro files.

5. (Original) The substrate processing system of claim 4, wherein said another storage unit is identical to the storage unit.

6. (Currently Amended) The substrate processing system of claim 1 ~~any one of claims 1 to 5~~, further comprising a communication unit for sending the macro files to an external device and receiving the macro files from the external device.

7. (Original) The substrate processing system of claim 6, further comprising a verification unit for examining whether a sequence of each of the macro files is normal.

8. (Canceled)

9. (Currently Amended) The substrate processing system of claim ~~[[8]]~~ 1, wherein the storage unit incorporates still another storage unit for storing the data file defining the control of the operation of each of the devices corresponding to the macro files.

10. (Canceled)

11. (Currently Amended) A substrate processing method for performing a processing including a plurality of processes on a substrate by operating a multiplicity of devices incorporated in a substrate processing apparatus, the method comprising the steps of:

storing commands defining operations of the devices and a data file defining a control of an operation of each of the devices corresponding to the macro files and also defining a control of another device related to the operation of said each of the devices, the data file further defining an alarming operation for reporting a completion of the control of the operation of each of the devices;

generating macro files, each of which corresponds to each of the processes, from the stored commands and creating a process sequence macro by combining the generated macro files, and also generating the data file each of the macro files corresponding to each of the plurality of processes; and

executing the process sequence macro and the control of the operation of each of the devices based on the generated data file.

12. (Canceled)

13. (Original) The substrate processing method of claim 12, wherein the storage step further includes another storage step for storing the data file defining the control of the operation of each of the devices corresponding to the macro files.

14. (Canceled)

15. (Currently Amended) A program for executing a substrate processing method for performing a processing including a plurality of processes on a substrate by operating a multiplicity of devices incorporated in a substrate processing apparatus,
wherein the program's operations executed on a computer comprises:

a storage module for storing therein commands describing operations of the devices and a data file defining a control of an operation of each of the devices corresponding to the macro files and also defining a control of another device related to the operation of said each of the devices, the data file further defining an alarming operation for reporting a completion of the control of the operation of each of the devices;

a generation module for generating macro files, each of which corresponds to each of the processes, from ~~form~~ the stored commands and creating a process sequence macro by combining the generated macro files, and also generating the data file ~~each of the macro files corresponding to each of the plurality of processes;~~ and

an execution module for executing the process sequence macro and the control of the operation of each of the devices based on the generated data file.

16. (Original) The program of claim 15, wherein the commands are converted into hard codes.

17. (Original) The program of claim 15 or 16, wherein the program further operates another storage module for storing the generated macro files on the computer.

18. (Currently Amended) The program of claim 15 ~~any one of claims 15 to 17~~, wherein the program further operates a transmission module for sending the macro files to an external device and a reception module for receiving the macro files from the external device on the computer.

19. (Original) The program of claim 18, wherein the program further operates a verification module for examining whether a sequence of each of the macro files is normal.

20. (Canceled)

21. (Currently Amended) The program of claim [[20]] 15, wherein the storage module incorporates still another storage unit for storing the data file defining the control of the operation of each of the devices corresponding to the macro files.

22. (Canceled)

23. (Withdrawn) A program for performing a substrate processing method for conducting a processing on a substrate by using a substrate processing system including a substrate processing apparatus; a controller equipped with an operation input unit through which an operation of a user is inputted to control an operation of the substrate processing apparatus; and a remote terminal isolated from the substrate processing apparatus and equipped with another operation input unit through which an operation of a user is inputted,

wherein the program's operations executed on a computer comprises:

an operation control module for controlling an operation of the operation input unit; and

another operation control module for controlling an operation of said another operation unit.

24. (Withdrawn) The program of claim 23, wherein the operation control module includes an input restriction unit for restricting an input of an operation from either one of the operation input unit and said another operation input unit.

25. (Withdrawn) The program of claim 23 or 24, wherein the operation control module includes an input source determination unit for determining an input source of an operation of the user when the operation is inputted.

26. (Withdrawn) A program for performing a substrate processing method for conducting a processing on a substrate by using a substrate processing system including a substrate processing apparatus; a controller equipped with an operation input unit through which an operation of a user is inputted to control an operation of the substrate processing apparatus; and a remote terminal isolated from the substrate processing apparatus and equipped with another operation input unit through which an operation of a user is inputted,

wherein the program's operations executed on a computer comprises:

a display module for displaying operation items that can be inputted to the operation input unit; and

a remote input module for displaying the operation items on said another operation input unit and recognizing an input to said another operation input unit as an input to the operation input unit.

27. (New) The substrate processing system of claim 1, wherein the data file defines an interlock for the operation of each of the devices.

28. (New) The substrate processing method of claim 11, wherein the data file defines an interlock for the operation of each of the devices.

29. (New) The program of claim 15, wherein the data file defines an interlock for the operation of each of the devices.